

Converting Colors

CIELCh(56, 91.800, 35.780)

Have a look what the booklet for
CIELCh(56, 91.800, 35.780) contains.

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Color

CIELCh(56, 91.398, 35.869)

Conversions

Conversions Part 1

Format	Color
Hex	FF322D
RGB	255, 50, 45
RGB Percent	100%, 20%, 18%
CMY	0.0000, 0.8035, 0.8249
CMYK	0.00, 0.80, 0.82, 0.00
HSL	2°, 100%, 59%
HSV	2°, 82%, 100%
XYZ	43.1929, 23.9124, 4.7863
YIQ	110.7250, 123.7850, 41.9050

Conversions

Conversions Part 2

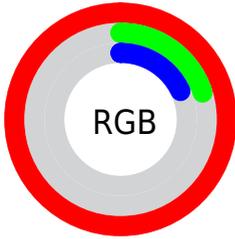
Format	Color
RYB	255, 50, 45
Decimal	16724525
CIELab	56.00, 74.07, 53.55
CIELCh	56, 91.398, 35.869
Yxy	23.9124, 0.6008, 0.3326
Android (android.graphics.Color)	4294914605 (0xFFFF322D)
YUV	110.7250, -32.4024, 126.5292
Hunter-Lab	48.9003, 72.0907, 28.4270

Details

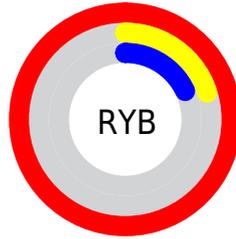
The CIELCh color **56, 91.398, 35.869** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **90, 46.891, 200.083**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 64.118, 36.781**, and **39, 83.490, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **54, 100.079, 38.743**, and if you desaturate by 10%, it is **59, 79.782, 32.594**.

Distribution



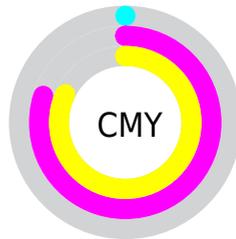
- Red (100%)
- Green (20%)
- Blue (18%)



- Red (100%)
- Yellow (20%)
- Blue (18%)



- Cyan (0%)
- Magenta (80%)
- Yellow (82%)
- Black (0%)



- Cyan (0%)
- Magenta (80%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 91.398, 35.869 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 56, 91.398, 35.869 by changing the saturation by 10% instead.

 56, 91.398, 35.869

 56, 91.398, 35.869

 100, 91.398,
35.869

 46, 91.398, 35.869

 76, 91.398, 35.869

 36, 91.398, 35.869

 86, 91.398, 35.869

 26, 91.398, 35.869

 96, 91.398, 35.869

 16, 91.398, 35.869

 6, 91.398, 35.869

 0, 91.398, 35.869

 56, 91.398, 35.869

 56, 91.398, 35.869

 54, 100.079,
38.743

 59, 79.782, 32.594

 63, 67.687, 29.697

53, 104.264,
40.182

67, 55.450, 27.355

73, 43.485, 25.540

79, 32.065, 24.157

85, 21.346, 23.108

92, 11.386, 22.296

98, 2.181, 21.455

100, 0.012,
296.813

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



56, 91.398, 35.869



90, 46.891, 200.083

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56, 91.398, 35.869



56, 91.398, 85.869



56, 91.398, 215.869



56, 91.398, 265.869

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



56, 91.058, 35.849



84, 23.965, 23.345



62, 108.869, 328.660



42, 16.577, 23.705



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56, 91.058, 35.849



53, 103.751, 39.976



72, 74.628, 65.732



50, 5.120, 22.082



40, 83.871, 40.262



10, 32.834, 28.445

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



90, 46.891, 200.083



89, 48.265, 200.594



60, 62.688, 278.774



52, 4.816, 201.274



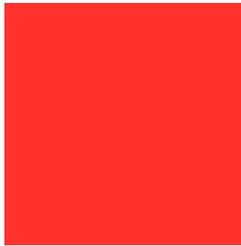
69, 38.926, 200.555



23, 17.983, 200.036

Previews

White Background



This preview shows how the CIELCh color 56, 91.398, 35.869 looks on a white background.

Color Contrast Check

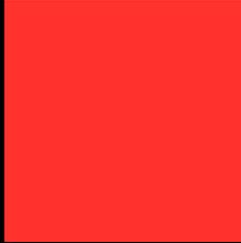
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 56, 91.398, 35.869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

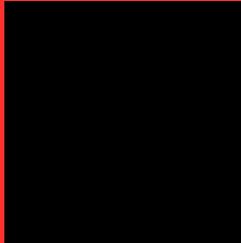
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

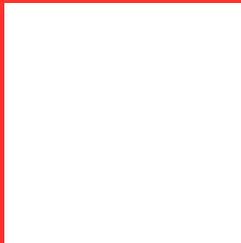
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 56, 91.398, 35.869

Background



This preview shows how black text looks on a background with the CIELCh color 56, 91.398, 35.869.



This preview shows how white text looks on a background with the CIELCh color 56, 91.398, 35.869.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

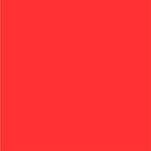
56, 90.984, 35.744

Protanopia

56, 38.254, 95.854

Deuteranopia

56, 57.361, 82.837



Tritanopia
56, 89.930, 34.688

Trichromacy



Original Color
56, 90.984, 35.744

Protanomaly
52, 49.526, 52.915

Deuteranomaly
53, 64.866, 56.149

Tritanomaly
56, 90.457, 35.223

Monochromacy



Original Color
56, 90.984, 35.744

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 33.470, 26.021

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 91.398, 35.869 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 50, 45)` looks like.

```
.text, #text, p{  
    color:rgb(255, 50, 45)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 50, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 50, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 91.398, 35.869 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 50, 45) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(255, 50, 45) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 50, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 50, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 50, 45);  
box-shadow:4px 4px 4px 4px rgb(255, 50,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 91.398, 35.869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 50, 45) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255, 50,  
45) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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